The Evolution of Bridge Technology

1

1300 BC in Greece

The Arc Bridge date back to ancient's times in Greece. The design allowed the bridge to transfer is weight across the structure. One of the most popular applications is the stone arc aqueduct of the Roman [1]

2

First Built in 1797

[2]

The Swing Span Bridge rotates in a horizontal plane around a vertical axis in the water. This allows the movement of ship and other small boats. [1]

3

First model built on the early 1800s

The Suspension footbridge consists of cable which help support the structure. These Cable are usually under high tension. [1]

4

First model Built in the 1850s

The Bascule bridge or (Drawbridge) rotate in a vertical plane. They main purpose is to be able to rise and lower allowing ship to past under the river. [1]

5

First built in the 1960s

The Prestressed Concrete Stringer Bridge Became one of the most dominant bridges since its creation. The bridge consists of a series of reinforced concrete beam parallel to the deck that support the structure. [1]

Sources:

1. https://www.ncdot.gov/initiatives-policies/Transportation/bridges/historic-bridges/bridge-types/Pages/default.aspx

2. https://www.britannica.com/technology/swing-bridge#/media/1/577121/97589